

What is claimed is:

SUB A17 1. A digital recording apparatus using a disc shaped record medium, comprising:

5 means for extracting outlined information of each of a plurality of files recorded on the disc shaped record medium;

means for correlating the extracted outlined information and the plurality of files and generating an index file; and

10 means for recording the index file to a predetermined position of the disc shaped record medium,

wherein when a predetermined operation mode is performed, a plurality of types of data of the plurality of files are output in a predetermined format.

15 2. The recoding apparatus as set forth in claim 1,

20 wherein the index file is recorded in the innermost peripheral record area of the disc shaped record medium.

3. The recoding apparatus as set forth in claim 1,

25 wherein when the predetermined operation mode is started, the outlined information is reproduced from the index file and the reproduced outlined information is output in such a manner that it is correlated with

each of the plurality of types of data of the plurality of files.

4. The recoding apparatus as set forth in claim 1,

wherein the predetermined operation mode is a reproducing mode and/or an editing mode.

5. The recording apparatus as set forth in claim 1,

wherein the outlined information contains attribute data of each of the plurality of types of data of the plurality of files.

6. The recording apparatus as set forth in claim 5,

wherein the attribute data includes date and time data that represent the date and time at which each of the plurality of types of the plurality of files was recorded.

7. The recording apparatus as set forth in claim 5,

wherein the attribute data includes date and time data that represent the date and time at which each of the plurality of types of data of the plurality of files was changed.

8. The recording apparatus as set forth in claim 5,

wherein the attribute data includes the duration data that represents the duration of each of

the plurality of types of data of the plurality of files.

9. The recording apparatus as set forth in claim 1,

5 wherein the outlined information includes the title of each of the plurality of types of data of the plurality of files.

10. The recording apparatus as set forth in claim 1,

10 wherein the outlined information includes a part of video data contained in each of the plurality of files.

11. The recording apparatus as set forth in claim 1,

15 wherein the outlined information includes a part of audio data contained in each of the plurality of files.

12. The recording apparatus as set forth in claim 1,

20 wherein the index file contains a first area and a second area, the first area being composed of an aggregation of the outlined information, the second area containing correlative information of the outlined information and the remaining data of the files and  
25 position information representing the positions of the outlined information of each of the plurality of files.

13. The recording apparatus as set forth in claim

12,

wherein the second area contains correlative information of the outlined information and the remaining data of a group selected from the plurality of files.

14. The recording apparatus as set forth in claim 12,

wherein a resource file is further recorded on the disc shaped record medium, the resource file containing the same data as the second area, with the position information representing the positions of the outlined information in the first area, the plurality of types of data of the plurality of files recorded on the disc shaped record medium being able to be easily searched when an operation mode including a reproducing operation is performed.

15. The recording apparatus as set forth in claim 14,

wherein the resource file contains information for correlating the outlined information and the remaining data of a group selected from the plurality of files recorded on the disc shaped record medium.

16. The recording apparatus as set forth in claim 12,

wherein the second area designates data of the first area of another index file.

17. The recording apparatus as set forth in claim  
12,

wherein the second area designates data of a  
different file.

18. The recording apparatus as set forth in claim  
17,

wherein the different file contains the  
outlined information.

19. A digital recording method using a disc  
shaped record medium, comprising the steps of:

extracting outlined information of each of a  
plurality of files recorded on the disc shaped record  
medium;

correlating the extracted outlined  
information and the plurality of files and generating  
an index file; and

recording the index file to a predetermined  
position of the disc shaped record medium,

wherein when an operation mode including a  
reproducing operation is performed, a plurality of  
types of data of the plurality of files are output in a  
predetermined format.

20. A disc shaped record medium for recording a  
plurality of files and an index file, the index file  
correlating outlines information of the plurality of  
files and the plurality of files, the index file being  
recorded at a predetermined position of the disc shaped

record medium.

ADD A27

005160-00323360